

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-58. (canceled)

59. (new) A transgenic *Brassica* plant, comprising:

 a conditionally lethal first gene expressible in a plant cell of said transgenic *Brassica* plant, said conditionally lethal first gene being a gene encoding indoleacetamide hydrolase (IAMH); and

 a second gene expressible in said plant cell of said transgenic *Brassica* plant, said second gene, when expressed in said plant cell, conferring a non-naturally occurring trait of interest on said plant cell, said second gene being selected from the group consisting of:

 (a) a gene which, when expressed in said plant cell, confers insect resistance on said plant cell;

 (b) a gene which, when expressed in said plant cell, confers an output trait on said plant cell;

 (c) a gene encoding an industrially useful enzyme;

 (d) a gene encoding a pharmaceutically active compound;

 (e) a gene encoding rennin or hirudin; and

 (f) a gene encoding an antisense RNA.

60. (new) The transgenic *Brassica* plant according to claim 59, said plant having altered oil composition.

61. (new) The transgenic *Brassica* plant according to claim 60, said plant having high oleic acid, low linoleic acid genotype.
62. (new) The transgenic *Brassica* plant according to claim 59, said plant being *Brassica napus*.
63. (new) The transgenic *Brassica* plant according to claim 62, wherein said *Brassica napus* is variety AG-019 or a derivative thereof.
64. (new) The transgenic *Brassica* plant according to claim 59, wherein said second gene is a gene which, when expressed in said plant cell, confers an output trait on said plant cell.
65. (new) The transgenic *Brassica* plant according to claim 64, wherein said output trait is selected from the group consisting of altered oil or meal composition, reduced antinutritional content, and altered processing characteristics.
66. (new) The transgenic *Brassica* plant according to claim 59, wherein said conditionally lethal first gene encoding IAMH is oncogene 2 from *Agrobacterium tumefaciens*.
67. (new) The transgenic *Brassica* plant according to claim 59, wherein said conditionally lethal first gene is adapted to be expressed in said plant in response to a chemical or physiological stress applied to said plant cell.
68. (new) The transgenic *Brassica* plant according to claim 59, wherein said conditionally lethal first gene is configured to express a gene product lethal to said plant upon application of an exogenous substance to said plant cell.
69. (new) The transgenic *Brassica* plant according to claim 59, further comprising an inducible promoter in operable association with said conditionally lethal first gene.
70. (new) The transgenic *Brassica* plant according to claim 59, further comprising a tissue-specific promoter in operable association with said conditionally lethal first gene.
71. (new) A method for selectively removing the transgenic *Brassica* plant according to claim 59 from a growing environment, comprising applying a chemical agent to said plant, said

chemical agent being converted to a phytotoxic agent by a product of said conditionally lethal first gene, wherein said chemical agent comprises an indoleamide or a related auxin derivative that is a substrate for IAMH.

72. (new) The method according to claim 71, wherein said applying said chemical agent comprises applying said chemical agent in an amount selected to effect a sub-lethal level of said phytotoxic agent in said *Brassica* plant upon said conversion by said one or more gene products of said conditionally lethal gene.

73. (new) The method according to claim 72, further comprising visually identifying a sub-lethal phenotype of said *Brassica* plant.

74. (new) The according to claim 71, wherein said chemical agent is naphthalene acetamide.

75. (new) A method for selecting a germinating seed or embryo of a transgenic *Brassica* plant according to claim 59, comprising:

culturing at least one cell of a germinating seed or embryo of a transgenic *Brassica* plant according to claim 59 on a medium comprising an auxin transport inhibitor and an indoleamide or a related auxin derivative that is a substrate for IAMH; and

visually identifying the at least one transgenic plant cell by its expression of a sub-lethal auxin-overproduction phenotype.

76. (new) The method according to claim 75, wherein said at least one plant cell comprises a seed or a plant embryo.

77. (new) The method according to claim 75, further comprising transferring said at least one transgenic plant cell to a second medium free from indoleamide and recovering said at least one transgenic plant cell.

78. (new) A method for producing the transgenic *Brassica* plant according to claim 59, comprising:

providing at least one transgenic plant cell of a plant seed or plant embryo, said at least

one transgenic plant cell including a transgene encoding IAMH;

culturing the at least one transgenic plant cell on a medium comprising naphthalene acetamide and an auxin transport inhibitor;

visually identifying the at least one transgenic plant cell by its expression of a sub-lethal auxin-overproduction phenotype; and

transferring the at least one transgenic plant cell to a second medium comprising naphthalene acetic acid to recover the at least one transgenic plant cell.

79. (new) A method for selecting a transgenic *Brassica* plant cell, comprising:

transforming a *Brassica* cell with a genetic construct or vector comprising an oncogene adapted for expression in a plant cell, said oncogene encoding IAMH;

exposing said plant cell to a formula comprising a benign auxin derivative of a plant hormone, which is converted into an active hormone by the product of the oncogene, and an auxin transport inhibitor;

culturing the cell to form a group of cells;

visually identifying the group of cells which manifest the phenotype associated with the active hormone; and,

allowing the identified group of cells to recover in the absence of the derivative.

80. (new) The method according to claim 79, wherein the *Brassica* plant cell has altered oil composition.

81. (new) The method according to claim 79, wherein the *Brassica* plant cell has high oleic acid, low linoleic acid content.

82. (new) The method according to claim 79, wherein the *Brassica* plant cell is variety AG-019 or a derivative thereof.

83. (new) A method for visual identification of a germinating seed or embryo of a *Brassica* plant according to claim 59, comprising:

culturing the seed or embryo on a medium containing an indoleamide or a related auxin derivative that is a substrate for IAMH; and

visually identifying the germinated seed or embryo which manifests a sub-lethal auxin over-production phenotype.